



3743

PATENT  
Docket No. 655.00931

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Werner Zobel et al.

Serial No. 09/672,429 ✓

Filed September 28, 2000

) COOLING SYSTEM, ESPECIALLY  
) FOR A VEHICLE

)  
) Group Art Unit: 3743

)  
) Examiner: Unassigned

H. Heron  
#3  
2/6/2001

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INFORMATION DISCLOSURE STATEMENT

BOX - DD  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants submit herewith patents, publications or other information of which they are aware which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

37 CFR 1.8  
CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service, as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on January 26, 2001.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Bertha Jackson

A list of the patents and/or publications is set forth on the attached Form PTO-1449, and a copy of each of the listed items is supplied herewith.

With respect to those non-English language citations without a translation, counsel states his best understanding of their content, based upon his review of the drawings. No representation as to the accuracy of that understanding is intended other than to state that it is counsel's best understanding as of the date of this Disclosure statement.

EP 1 045 217 A1 appears to show a cooling apparatus including several individual heat exchangers, each having two spaced header tanks. The heat exchangers are arranged as a casing that surrounds a radial impeller wheel that receives cooling air axially through a nozzle formed in a front wall of the cooling apparatus and directs the cooling air flow radially outward through each of the heat exchangers. The cooling apparatus has a rear wall that is indented inwardly towards the impeller thereby making the overall outside shape of the cooling apparatus more compact, with usable space provided behind the indented wall 12.

DE 197 24 728 A1 appears to show a cooling apparatus with several individual heating exchangers arranged around an impeller that receives air axially through a wall in the front of the cooling apparatus and directs the cooling air radially outward through each of the heat exchangers. One of the heat exchangers includes a pair of spaced header tanks with flattened tubes extending between the header tanks and fins disposed between the tubes. A shutter is provided on the heat exchanger and includes a plurality of slots that corresponds with the fin spaces between each of the tubes. The shutter is mounted to translate along the longitudinal axis of the header tanks to

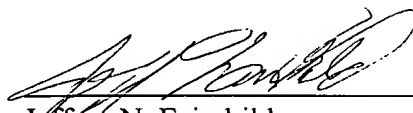
selectively place the slots either in front of the fins to allow an air flow therethrough or in front of the tubes to restrict air flow through the fins.

DE 31 48 942 C2 appears to show a ring typed heat exchanger that is arranged to receive a radial flow of cooling air from an impaler. A structure (11) is provided to define the rear wall of the cooling apparatus and extends inwardly to mount a motor for driving the impeller.

DE 27 16 997 B2 appears to show a cooling apparatus including a ring type heat exchanger that is designed for the cooling of a plurality of fluids and is arranged to receive a radial cooling air flow from an impeller. A rear wall (62) of a cooling apparatus extends inwardly to mount a drive motor for the impeller and to direct the cooling air flow radially outward.

Should there be any additional fees or credits required, the Commissioner is hereby authorized to charge or credit Deposit Account No. 23-0785.

Respectfully submitted,

  
\_\_\_\_\_  
Jeffery N. Fairchild  
Reg. No. 37,825

Wood, Phillips, Van Santen,  
Clark & Mortimer  
500 West Madison Street  
Suite 3800  
Chicago, IL 60661-2511  
(312) 876-1800